



What is claimed:

1. (Currently amended) A tie on orthodontic hook for attaching to brackets of an orthodontic appliance to be used for the attachment of elastics and other orthodontic devices comprising:

a continuous [circular] planar wire [body] with a circular cross section;

a rectangular shaped portion of the continuous planar wire; and

[a twisted hook portion formed from the circular wire body.]

a planar tab portion of wire continuous with the rectangular-shaped portion wherein the tab portion extends outwards from the rectangular-shaped portion whereby the orthodontic hook is formed by gripping the planar tab portion with a pair of pliers, placing the circular body over the orthodontic tie wing, engaging the orthodontic wings with the circular body, and rotating the pliers in their axial direction until the circular body engages the orthodontic tie wing and the orthodontic hook is formed from the planar tab portion.

[a determinable wire body circumference wherein the circumference is determined by an orthodontic bracket size and a hook size desired; and]

[a determinable wire body diameter wherein the diameter is determined by the tie wing of an orthodontic bracket;]

2. (Cancelled). An orthodontic hook as in claim 1 wherein the diameter of the circular wire body is 4 mm to 10 mm.

3. (Original). A tie on orthodontic hook as in claim 1 wherein the cross-sectional diameter of the rectangular shaped body wire and continuous tab wire is .008 inch to .014 inch.

4. (Original) A tie on orthodontic hook as in claim 1 wherein the rectangular shaped body wire and continuous tab wire is a single strand.

5. (Original) A tie on orthodontic hook as in claim 1 wherein the rectangular shaped body wire and continuous tab wire is multiple strand of two or more wires with a combined diameter of .008 inch to .014 inch.

6. (Canceled). [An orthodontic hook as in claim 1 wherein the orthodontic hook is formed by:

gripping 1-2 mm of the circular body with a pair of pliers;

placing the circular body over the orthodontic tie wing;

engaging the orthodontic wings with the circular body; and

rotating the pliers in their axial direction until the circular body engages the orthodontic tie wing and the orthodontic hook is formed.]

7. (Currently amended). A tie on orthodontic hook for attaching to brackets of an orthodontic appliance to be used for the attachment of elastics and other orthodontic devices comprising:

a continuous [oval] planar wire body with a rectangular cross section;

[a twisted hook portion formed from the circular wire body;]

a determinable body circumference wherein the circumference is determined by an orthodontic bracket size and a hook size desired; and

[a determinable wire body diameter wherein the diameter is determined by the tie wing of an orthodontic bracket.]

a rectangular shaped portion of the continuous planar wire; and

a tab portion of the continuous planar wire continuous with the rectangular-shaped portion wherein the tab portion extends outwards from the rectangular-shaped portion whereby the orthodontic hook is formed by gripping the planar tab portion with a pair of pliers, placing the circular body over the orthodontic tie wing, engaging the orthodontic wings with the circular body, and rotating the pliers in their axial direction until the circular body engages the orthodontic tie wing and the orthodontic hook is formed from the planar tab portion.

[a determinable wire body circumference wherein the circumference is determined by an orthodontic bracket size and a hook size desired; and]

[a determinable wire body diameter wherein the diameter is determined by the tie wing of an orthodontic bracket;]

8. (Cancelled). [An orthodontic hook as in claim 7 wherein the diameter of the circular wire body is 4 mm to 10 mm].

9. (Original). A tie on orthodontic hook as in claim 7 wherein the diameter of the wire is .008 inch to .014 inch.

10. (Original) A tie on orthodontic hook as in claim 7 wherein the wire is a single strand.

11. (Original) A tie on orthodontic hook as in claim 7 wherein the wire is multiple strand of two or more wires with a combined diameter of .008 inch to .014 inch.

12. (Canceled). [An orthodontic hook as in claim 7 wherein the orthodontic hook is formed by:

gripping 1-2 mm of the circular body with a pair of pliers;

placing the circular body over the orthodontic tie wing;

engaging the orthodontic wings with the circular body; and

rotating the pliers in their axial direction until the circular body engages the orthodontic tie wing and the orthodontic hook is formed.]

13. (Canceled). [A tie on orthodontic hook for attaching to brackets of an orthodontic appliance to be used for the attachment of elastics and other orthodontic devices comprising:

a continuous rectangular wire body;

a twisted hook portion formed from the circular wire body;

a determinable body circumference wherein the circumference is determined by an orthodontic bracket size and a hook size desired; and

a determinable wire body diameter wherein the diameter is determined by the tie wing of an orthodontic bracket.]

14. (Canceled). [A tie on orthodontic hook as in claim 13 wherein the diameter of the circular wire body is 4 mm to 10 mm.]

15. (Canceled). [A tie on orthodontic hook as in claim 13 wherein the diameter of the wire is .008 inch to .014 inch.]

16. (Canceled). [A tie on orthodontic hook as in claim 13 wherein the wire is a single strand.]

17. (Canceled). A tie on orthodontic hook as in claim 13 wherein the wire is multiple strand of two or more wires with a combined diameter of .008 inch to .014 inch.

18. (Canceled). [A tie on orthodontic hook as in claim 13 wherein the orthodontic hook is formed by:

gripping 1-2 mm of the circular body with a pair of pliers;

placing the circular body over the orthodontic tie wing;

engaging the orthodontic wings with the circular body; and

rotating the pliers in their axial direction until the circular body engages the orthodontic tie wing and the orthodontic hook is formed.]